

From owner-boatanchors@sco.theporch.com Tue May 20 00:04:55 1997  
From: dfrancis@iex.net (Dexter Francis)  
Subject: 1L6 to 1R5 conversion information  
Message-ID: <v01520d07afa625036b4e@[207.0.57.74]>

I figured with all you new 109 owners there may be interest in knowing what you can do when your 1L6's die. (Don't call me, I don't have any!)

The conversion to a 1R5 can be done if you know the following:

	1L6	1R5
Base	7DC	7AT
Pin	Function	Function
1	Heater	Heater (-) and Grid 5
2	Plate	Plate
3	Grid 2	Grid 2 and Grid 4
4	Grid 1	Grid 1
5	Grid 3 and Grid 5	Heater (-) and Grid 5
6	Grid 4	Grid 3
7	Heater	Heater (+)

-df

\* CWest Tube Sales - P.O.B. 22443 SLC, UT 84122 \*  
\* [http://www.usa.net/~dfrancis/CWest\\_Tube\\_Sales.html](http://www.usa.net/~dfrancis/CWest_Tube_Sales.html) \*  
\* e-mail to: tubes@usa.net \*

----\_\_ListProc\_\_NextPart\_\_\_\_BOATANCHORS\_\_digest\_1448

From owner-boatanchors@sco.theporch.com Tue May 20 00:04:55 1997  
From: "David L. Thompson" <thompson@mindspring.com>  
Subject: 3B28's  
Message-ID: <1.5.4.16.19970519155235.36076f52@pop.mindspring.com>

Maybe I missed something, but 3B28's were a step up from the 866A not a replacement. I used 866A's in a big supply with the amp that was on the cover of ER in April. When we built a power supply around a pole pig we looked at both the 3B28 and the 872A and went for the 872A. As I recall the specs said 866A's 2500V max, 3B28's 3500V max and 872A's were 6KV max.

My Henry 2K has 3B28's in the power supply. The Henry specs call for the 3B28s to be warmed up for 20 seconds before applying high voltage. So to switch to the 3B28 means some type of time delay relay (6N20 Amperite in the

2K). If the amp uses 3-400 or 3-500Z's then with the SS3B28's (solid state stack) you can still have instant on of the amp....not a 3 min wait as with my 8877 amp.

I read some Bill Orr notes from K6EI that 3B28's produced about 100V more in the same circuit as the 866....And United Page specs say the SS3B28 again produces about 100V more (In the 2K resting plate voltage went from just under 3000V to nearly 3100V with the SS3B28). Voltage drop under load is about the same and the watt meter shows a few more watts (25 to 50 depending on band). 3-500z's work better as the voltage approaches 3500V. So why do amps like the 2K and that new Ten-Tec only use 2800 to 3000V rather than 3500V????? Does it save that much money??

We always hear of the good ole days....well in the late 70's I bought 10 3B28's from Mhz for under \$5 each!!!! United Page still has the 3B28 (\$55 now) and the SS3B28 is \$45 (SS866A is only \$37). ...1996 catalog...

Dave K4JRB

----\_\_ListProc\_\_NextPart\_\_\_\_BOATANCHORS\_\_digest\_1448

From owner-boatanchors@sco.theporch.com Tue May 20 00:04:55 1997  
From: MODSTEPH@ACS.EKU.EDU  
Subject: 6EA8 needed/HT-44  
Message-ID: <01IJ2KSZ5GV6002EDI@ACS.EKU.EDU>

Gang:

So I got a decent Hallicrafters twins setup: SX-117 and HT-44 - and there is a problem in the VFO of the HT-44: on the low end of the bands, about the bottom 100 kHz, the output drops off as frequency goes lower. No problem when I am transceiving and using the SX-117 oscillator and VFO, only when using the one in the HT-44.

Would like to switch out the 6EA8, and of course I don't have a spare on that one: need a couple good 6EA8's if any out there: please reply direct with cost including postage.

And if you have had this problem on the HT-44, and have a solution to suggeplease let me know!

and my machine seems to be messing up - hope this reads all right!

73, Al N5AIT  
modsteph@acs.eku.edu

----\_\_ListProc\_\_NextPart\_\_\_\_BOATANCHORS\_\_digest\_1448

From owner-boatanchors@sco.theporch.com Tue May 20 00:04:55 1997  
From: Ronnie Hull <larebel@ms1.nwla.com>  
Subject: a sorrowful happening  
Message-ID: <1.5.4.16.19970519051229.2767a408@ms1.nwla.com>

came home from my trip out of town and found I had been burglarized. In addition to some stereo gear, a Ranger I and a Swan 500C that were sitting in my living room, ready to be taken to work and shipped are gone. I will dig through my paper work and see if I have the serial numbers so I can post them, though I know it will do no good.

second time in a year...

Ronnie

----\_\_ListProc\_\_NextPart\_\_\_\_BOATANCHORS\_\_digest\_1448

From owner-boatanchors@sco.theporch.com Tue May 20 00:04:55 1997  
From: BEN NOCK <106312.1035@compuserve.com>  
Subject: A510 bits needed... help !  
Message-ID: <199705191356\_MC2-16E6-97B3@compuserve.com>

The following bits are needed to finish off my A510 kit.

- 1 Aerial, flexible, 8ft (Aust)
- 1 Cases, carrying, flexible aerial
- 1 aerial, end fed, adjustable, 135ft
- 1 counterpoise assembly
- 2 cords, aerial, weighted
- 1 feeders, aerial, 70 ohm
- 1 aeral, lightweight, 68 ft
- 1 case, spares, A510
- 1 satchel, signals No1 (Marked DD)
- 1 case, transit.

If anyone can supply or lookout for these bits for me, I would be most obliged.

cheers, Ben G4BXD.

----\_\_ListProc\_\_NextPart\_\_\_\_BOATANCHORS\_\_digest\_1448

From owner-boatanchors@sco.theporch.com Tue May 20 00:04:55 1997  
From: BEN NOCK <106312.1035@compuserve.com>  
Subject: AN/USM-32 ???  
Message-ID: <199705191357\_MC2-16E6-97CF@compuserve.com>

A friend needs the book for the following scope:

AN/USM-32

Can anyone help ?

Ben G4BXD.

----\_\_ListProc\_\_NextPart\_\_\_\_BOATANCHORS\_\_digest\_1448

From owner-boatanchors@sco.theporch.com Tue May 20 00:04:55 1997  
From: David Prince <davprin@gil.com.au>  
Subject: AR-88 Questions  
Message-ID: <33802DAF.BB0@gil.com.au>

G'day Folks,

I have both AR-88 "D" and "LF" models but unfortunately, both have been repainted at some time in the past and are very "un-original". What was the original finish of the front panel? I know it was black but was it a full-gloss or semi-gloss paint? Was the cabinet a wrinkle finish?

Why was it that it seems very few AR-88's were fitted with the Signal strength meter? Was the AR-88 a commercial receiver that the military adopted and decided that there was no need for a meter even though it was wired for one? Thanks in advance for any info.

Cheers

--

Dave Prince VK4KDP  
davprin@gil.com.au

Brisbane Military Radio Collection

----\_\_ListProc\_\_NextPart\_\_\_\_BOATANCHORS\_\_digest\_1448

From owner-boatanchors@sco.theporch.com Tue May 20 00:04:55 1997  
From: Al Klase <skywaves@bw.webex.net>  
Subject: Re: AR-88 Questions  
Message-ID: <33806859.4B1C@webex.net>

David and the Group;

I have a pretty original AR-88D and speaker. They both have a rather fine-grain wrinkle finish similar to that on my Collins 51J's. The RX front panel is black, while the cabinet, speaker, and trim strips that cover the rack mounting holes are dark grey. This grey is just a shade lighter than the "St. James" grey on the Collins equipment. Hope this helps.

73, Al

David Prince wrote:

>  
> G'day Folks,  
>  
> I have both AR-88 "D" and "LF" models but unfortunately, both have been  
> repainted at some time in the past and are very "un-original". What was  
> the original finish of the front panel? I know it was black but was it a  
> full-gloss or semi-gloss paint? Was the cabinet a wrinkle finish?  
>

--

Al Klase - N3FRQ  
skywaves@bw.webex.net  
Flemington, NJ

----\_\_ListProc\_\_NextPart\_\_\_\_BOATANCHORS\_\_digest\_1448

From owner-boatanchors@sco.theporch.com Tue May 20 00:04:55 1997  
From: wallace@world.std.com (Andy Wallace)  
Subject: Re: AR-88 Questions  
Message-ID: <3381ccc1.4986201@world.std.com>

Hello, David Prince <davprin@gil.com.au>!=20

>I know it was black but was it a  
>full-gloss or semi-gloss paint? Was the cabinet a wrinkle finish?

Mine is a semi-gloss rich black wrinkle. Very nice looking. The trim strips running horizontally are chrome. Unfortunately my RCA emblem in the middle is rusted, anyone got one?

>Why was it that it seems very few AR-88's were fitted with the Signal  
>strength meter?

Wartime meant most meter production went to important rigs, like BC-375s :-). There was even a "meter roundup" among the hams during

WWII.=20

>Was the AR-88 a commercial receiver that the military  
>adopted and decided that there was no need for a meter even though it  
>was wired for one? Thanks in advance for any info.=20

Many of them did go to the military, and for some reason (Lend-Lease?)  
most of the 88s wound up in England and later, Canada. They are  
certainly uncommon around here. And for those about to ask, no, I  
still haven't mounted the new oil caps in the PS of mine yet. Have  
been working on a bracket, though and I hope by the summer to bring  
this old AR-88 to life. Haven't heard a soul say anything bad about  
this receiver!

--Andy

wallace@world.std.com

---

Curly: Oh....short wave?

Moe: No! Poimanent.=20

<BONK!>

(THEY STOOGE TO CONGA, 1943)

----\_\_ListProc\_\_NextPart\_\_\_\_BOATANCHORS\_\_digest\_1448

From owner-boatanchors@sco.theporch.com Tue May 20 00:04:55 1997

From: don merz <71333.144@CompuServe.COM>

Subject: AR-88: Colors? Amateur?

Message-ID: <970519165414\_71333.144\_DHB70-2@CompuServe.COM>

Here's what I have on the AR-88 paint schemes from a prior BA posting  
from Frank K0JPJ ex-W5PVX:

There were at least five different color schemes used on the '88 series.

The CR-88, last model made to my knowledge, had a solid medium or  
perhaps even battleship gray smooth pain finish. It also has a spinner  
tuning knob. It has the diversity connectors too because that is what it  
was made for.

The oldest model was black crackle with red crackle trim.

The ones I see showing up at hamfests had a rather flat black crinkle  
finish or a smooth enamel black finish that was obviously factory.

And there was yet another variation: A local has one that he brought back  
from WW II and it has a solid red crackle front panel...maybe some  
black trim.

-----  
Let me add some thoughts on the AR-88 as an amateur radio product. By the time the AR-88 was developed, RCA had a long line of amateur radio products in the ACR-series receivers and the ACT-series transmitters. These were extensively advertised to the amateur community on the back covers of QST and RADIO during the 1930's.

The AR-series radios were a separate line offered by RCA. The predecessors to the AR-88, the RA-60 and AR-77, were not advertised \_by RCA\_ to amateurs at all as far as I can tell--they were designed for commercial use (note that the AR-series radios did show up in some distributors ads that appeared in QST and RADIO. But this does not constitute direct advertising by RCA in my mind). The AR-series radios were also very pricey--running 5 or 6 times the price of the ACR-series receivers. Finally, the AR-series radios could be purchased with cabinets, but they were designed for rackmounting while the ACR-radios were all cabinet-sized and had no provisions for rackmounting.

So I don't see any evidence that the AR-88 was designed to be an amateur product. My opinion is that the AR-88 was a commercial product and not an amateur product at all.

FWIW

73, Don

----\_\_ListProc\_\_NextPart\_\_\_\_BOATANCHORS\_\_digest\_1448

From owner-boatanchors@sco.theporch.com Tue May 20 00:04:55 1997  
From: John <johnmb@mindspring.com>  
Subject: Re: AR-88: Colors? Amateur?  
Message-ID: <199705191707.NAA24832@brickbat8.mindspring.com>

At 12:54 PM 5/19/97 EDT, you wrote:

>The AR-series radios were a separate line offered by RCA. The predecessors  
>to the AR-88, the RA-60 and AR-77, were not advertised \_by RCA\_ to  
>amateurs at all as far as I can tell--they were designed for commercial use  
>(note that the AR-series radios did show up in some distributors ads that  
>appeared in QST and RADIO. But this does not constitute direct advertising by  
>RCA in my mind).

Don, if you go to my website:

<http://www.mindspring.com/~johnmb/globe.htm>

...you'll see an RCA ad I got off of an old RADIO magazine, for the AR-77 and cabinet. ("Read these comments from Radio Men who know!!")

/John

-----\_\_ListProc\_\_NextPart\_\_\_\_BOATANCHORS\_\_digest\_1448

From owner-boatanchors@sco.theporch.com Tue May 20 00:04:55 1997  
From: Engbert Oord <engbert.oord@jet.uk>  
Subject: AR88 questions  
Message-ID: <3.0.1.32.19970519115634.006b03c8@mailhost>

I also happen to own both an AR88D and an AR88LF. The frontpanels are finished differently. One has a black wrinkle paint frontpanel with silk screened lettering. The other has a black silk gloss frontpanel with engraved lettering. So there have apparently been different finishes. The case is in either case black wrinkle paint.

The AR88 was to be RCA's contribution to the amateur market. However the war intervened and most ended up in military service. A large proportion was sold to Great Britain and I believe Russia. They were usually sold without a S-meter but with the wiring in place. The S-meter is an option. Like you I have only once or twice seen one with an "original" meter.

-----  
---

Engbert Oord , G7THB  
JET Joint European Torus, Culham ,UK  
Email : eo@jet.uk or engbert.oord@jet.uk  
-----

-----\_\_ListProc\_\_NextPart\_\_\_\_BOATANCHORS\_\_digest\_1448

From owner-boatanchors@sco.theporch.com Tue May 20 00:04:55 1997  
From: mack@mails.imed.com (Ray Mack)  
Subject: ARC-5 receiver article  
Message-ID: <00006D04.@mails.imed.com>

Hey Y'all:

Ben Hall just got a BC-455 recently and was looking for info on these beasts. Last night while cleaning up the attic, I stumbled across the Jan '60 CQ that has a nice article on these receivers. It is still in the attic, but I'll try to remember it tomorrow and bring



it in to scan, OCR, and save. I can scan the schematics from the article in tiff. I will probably also make a post-script schematic using Orcad schematic capture.

I'll put the text and scanned schematics in the archives by Monday. I'll let y'all know.

Ray Mack  
WD5IFS  
Friendswood (Houston), TX

----\_\_ListProc\_\_NextPart\_\_\_\_BOATANCHORS\_\_digest\_1448

From owner-boatanchors@sco.theporch.com Tue May 20 00:04:55 1997  
From: "Cheney,Charlie" <ccheney@foxboro.com>  
Subject: Audio filters  
Message-ID: <c=US%a=\_%p=SCD%l=SCD/FOXBORO/00003759@exchange\_fox.foxboro.com>

On May 19, Bob, K9EUI wrote,  
>I have seen some discussion concerning receiver selectivity and thought  
>I would throw this out for comment. A cheap and easy way to increase  
>selectivity, audio-wise, is to use a series L-C circuit in an audio  
>stage of the receiver.

If you want a good CW audio filter that is in keeping with the BA spirit (no op amps or DSP), you might look into the passive bandpass filters featured in the ARRL Handbooks for many years. They are based on a "stack" of 88 mh toroids. I have built two of these from the kits sold at what I consider a very reasonable price by the designer, Ed Wetherhold and they perform "as advertised". The "guts" of the filter are designed for 1000 ohm input/output so one could be switched into line between an audio preamp and the output, etc., without needing a transformer.

Ed's address is Mr. Ed Wetherhold W3NQN, 1426 Catlyn Place, Annapolis MD 21401-4208

Needless to say, I have no financial interest in these filters. However, prior to building them I had used all sorts of audio filtering (Sallen-Key, SCAF, and DSP included) and I think the passive filters have a cleaner tone.

73 and CW Forever!

Charlie AA1HB

----\_\_ListProc\_\_NextPart\_\_\_\_BOATANCHORS\_\_digest\_1448

From owner-boatanchors@sco.theporch.com Tue May 20 00:04:55 1997  
From: mack@mails.imed.com (Ray Mack)  
Subject: BA's in Bay Area??  
Message-ID: <00006CE3@mails.imed.com>

Hey Y'all:

I apologize in advance since I know I've seen this info in the past year, but this \$@&\$\*(^\$&\*&# cc:Mail won't search the text of the the digests I get :<( (at least not automatically).

I'll be in the San Francisco area (Sunnyvale) the week of June 9-13. Which are the good BA haunts in the area (just in case I have money left after Hamcom on the 7th)? Are they likely to be open in the evenings (I \*am\* going for work :<)) or should I make my secretary change plans for the 23rd time now and stay Saturday?

Thanks.

Ray Mack  
WD5IFS  
mack@mails.imed.com

----\_\_ListProc\_\_NextPart\_\_\_\_BOATANCHORS\_\_digest\_1448

From owner-boatanchors@sco.theporch.com Tue May 20 00:04:55 1997  
From: Surplus Al <surplsal@tl.infi.net>  
Subject: Back  
Message-ID: <337F567D.43A4@tl.infi.net>

Back from Dayton. No comments. Thanks to all BA members who stopped by, a real nice socialable group. Information still available on GRC-19, BC-610, R-274, BC-312-342-344. Email for info. As always, enjoying the discussions in the net. No other like it on the Internet. Regards  
Al W3UGD  
Licensed since 1951 FT.Sill. Okla

----\_\_ListProc\_\_NextPart\_\_\_\_BOATANCHORS\_\_digest\_1448

From owner-boatanchors@sco.theporch.com Tue May 20 00:04:55 1997  
From: Paul Nelson <drhydro@ames.net>  
Subject: Bahston aftermath  
Message-ID: <103010d02afa63e153120@[206.29.126.176]>

Thanks to all who replied to tell me that the MIT Flea was jumping this last weekend... he was indeed, and an amazing place it was.... didn't record very much, but saw a nondescript sx-28 for \$25 as-is, a BC-306 antenna tuner went for \$20 before I could get back to it... and it looked mint! I bought a BC-221AC (wooden case) for \$30 - coulda had two for \$50, but was catching a plane in two hours.. a well-constructed AC supply inside, cal book, very nice. Saw several HRO types, an NC-100, a couple of Macintosh audio amps, an MBF (is that right? Collins low VHF xcvr) for \$40, looked good, with accessory case full of stuff- almost bought it but thought twice about the xray belt at the airport... dawgone, wisht Ah wuz drivin' at that point. Only reason I got the BC-221 is that the friends I was with offered to ship it for me.... didn't feel like I could include the MBF, might ruin the trip next year! Good trip though... several lobsters were consumed, a goodly number of oysters (though they were small and hardly worth the trouble, they're still better than we find here in Iowa rivers and streams...)

Paul Nelson W5GNF  
Ames, Iowa

"When I go, I want to go quietly, in my  
sleep, like my grandfather- not  
screaming, like his passengers."

(DrHydro@ames.net)

Cessna 140 N77149

"More hay, Trigger?"

"No thanks, Roy, I'm stuffed."

----\_\_ListProc\_\_NextPart\_\_\_\_BOATANCHORS\_\_digest\_1448

From owner-boatanchors@sco.theporch.com Tue May 20 00:04:55 1997  
From: Paul E Settle <pauls@inreach.com>  
Subject: BC-221 P info  
Message-ID: <33811094.26D1@inreach.com>

Hello BA folks

Have a chance to get a BC-221 P, can some tell me about the  
difference in the model suffix's?

Paul KE6TPR

----\_\_ListProc\_\_NextPart\_\_\_\_BOATANCHORS\_\_digest\_1448

From owner-boatanchors@sco.theporch.com Tue May 20 00:04:55 1997  
From: JONWEINER@aol.com  
Subject: re: Boulevard Electronics  
Message-ID: <970519080130\_485009363@emout06.mail.aol.com>

Somewhere in the last couple of weeks there was a Boulevard Electronics receiver discussed on the BA group. I found one at Dayton, and sure could use

a schematic, manual, and/or any other information. Also need the main tuning knob for an RME 6900.

Saw lots of BA folks at Dayton, and had a great time. Length of stay was limited only by capacity of my friend Bob's (AA8A) van. 73's, Jon, K1VVC

-----\_\_ListProc\_\_NextPart\_\_\_\_BOATANCHORS\_\_digest\_1448

From owner-boatanchors@sco.theporch.com Tue May 20 00:04:55 1997

From: Tom Norris <badger@telalink.net>

Subject: Cal pricEDURE for TV7A/u???????

Message-ID: <3.0.1.32.19970519132946.009a7ea0@telalink.net>

The partial copy of the manual I have on my TV7A does no include the calibration procedure. Does anyone have this information?? Would just like to check mine against spec.

Tom

badger@telalink.net

\*\*\*\*\*

Tom Norris KA4RKT

badger@telalink.net Nashville, Tennessee, USA

-----

Eagles may soar free and proud, but weasels  
never get sucked into jet engines.

\*\*\*\*\*

-----\_\_ListProc\_\_NextPart\_\_\_\_BOATANCHORS\_\_digest\_1448

From owner-boatanchors@sco.theporch.com Tue May 20 00:04:55 1997

From: Tom Norris <badger@telalink.net>

Subject: Changing fuzes--old humor for the list....

Message-ID: <3.0.1.32.19970519171209.00aa8100@telalink.net>

Yes, youve seen it before.... here it is again as it was forwarded to me.

-----

Q: How many BA subscribers does it take to change a fuse?

A: 1,331:

1 to change the fuse and to post to the newsgroup that the fuse has been changed

14 to share similar experiences of changing fuses and how the fuse could have been changed differently.

7 to caution about the dangers of changing fuses.

27 to point out spelling/grammar errors in posts about changing fuses, half of which neglect to note that fuse in UK/NZ/Oz is spelled "fuze", therefore the original posters didn't really misspell it.

53 to flame the spell checkers

156 to write to the list administrator complaining about the fuse discussion and its inappropriateness to this newsgroup.

41 to correct spelling in the spelling/grammar flames.

109 to post that this group is not just about fuses and to please take this exchange to sci.fuses or uk.sci.fuzes

203 to demand that cross posting to alt.grammar, alt.spelling alt.punctuation and aus.jokes about changing fuses be stopped.

111 to defend the posting to BA saying that we are all use fuses and therefore the posts **\*\*are\*\*** relevant to this list.

306 to debate which method of changing fuses is superior, where to buy the best fuses, what brand of fuses work best for this technique, and what brands are faulty.

27 to post URLs where one can see examples of different fuses.

14 to post that the URLs were posted incorrectly, and to post corrected URLs.

3 to post about links they found from the URLs that are relevant to newsgroup which makes fuses relevant to this newsgroup.

33 to concatenate all posts to date, then quote them including all headers and footers, and then add "Me Too."

12 to post to BA that they are unsubscribing because they cannot handle the fuse controversy.

19 to quote the "Me Too's" to say, "Me Three."

4 to suggest that posters request the fuse FAQ.

1 to propose new alt.change.fuse newsgroup.

47 to say this is just what rec.audio.tubes was meant for,  
leave it here.

143 votes for alt.change.fuse.

----\_\_ListProc\_\_NextPart\_\_\_\_BOATANCHORS\_\_digest\_1448

From owner-boatanchors@sco.theporch.com Tue May 20 00:04:55 1997  
From: Bob Roehrig <broehrig@admin.aurora.edu>  
Subject: Re: Changing fuzes--old humor for the list....  
Message-ID: <Pine.ULT.3.96.970519192810.17975J-100000@admin.aurora.edu>

On Mon, 19 May 1997, Tom Norris wrote:

> Q: How many BA subscribers does it take to change a fuse?  
> A: 1,331:

I think you forgot one - the person who posts to the group that a list  
of fuses is now available in the archives.

E-mail broehrig@admin.aurora.edu 73 de Bob, K9EUI  
CIS: Data / Telecom Aurora University, Aurora, IL  
630-844-4898 Fax 630-844-5530

----\_\_ListProc\_\_NextPart\_\_\_\_BOATANCHORS\_\_digest\_1448

From owner-boatanchors@sco.theporch.com Tue May 20 00:04:55 1997  
From: "A. B. Bonds" <ab@vuse.vanderbilt.edu>  
Subject: Re: Crystal set phones.  
Message-ID: <1997May19.131546-0500@spike.vuse.vanderbilt.edu>

In <Pine.ULT.3.96.970515132301.9706D-100000@admin.aurora.edu>, Bob Roehrig wrote:  
>

>Tom and someone else said that they had bad luck using crystal phones  
>on a crystal set. I found just the opposite. Mine are Brush jobs and  
>are as sensitive as any Baldwins or any other brand of magnetic types  
>I have. They are a lot crisper and therefore may not sound as good to some  
>since they certainly don't have much in the way of low frequency response.

About (mmph) years ago I picked out half a dozen pairs of Brush cans  
from a dumpster. They were being disposed of from a language lab. A

few months ago I dusted them off and checked them out. Some were very good, some were awful. Bottom line is that over a lot of years the crystal driver elements can dissolve, having a less-than-salubrious effect on sensitivity. My feeling is that it is pretty easy to find pairs that work, but not well, and that it is hard but possible to find pairs that work very well. I could not figure out any way of getting into the drivers, looks like the cases are glued together.

A. B. Bonds

----\_\_ListProc\_\_NextPart\_\_\_\_BOATANCHORS\_\_digest\_1448

From owner-boatanchors@sco.theporch.com Tue May 20 00:04:55 1997  
From: Ho4bart@aol.com  
Subject: Re: Crystal set phones.  
Message-ID: <970519201715\_842530771@emout10.mail.aol.com>

In a message dated 97-05-19 16:08:46 EDT, ab@vuse.vanderbilt.edu (A. B. Bonds) writes:

<< >are as sensitive as any Baldwins or any other brand of magnetic types I have. They are a lot crisper and therefore may not sound as good to some since they certainly don't have much in the way of low frequency response. >>

i concur that surplus from schools' language labs is a main source for these, or more accurately, was once. and you do get all grades, unfortunately many are unpleasantly greasy so major cleaning is in order. and the crystal element is quite sensitive to moisture + shock so after banging around for a while in a junk box the headphone might not retain much sensitivity.

i'm thinking my good opinion of crystal headphone tone qualities might really be a function of the audio qualities of the crystal radios i have used, compared to sound from your typical crummy AM band radio.

to iterate, one of the best features, at least for qrp receivers and crystal radios, is the very high impedance.

the most sensitive i ever tried was a single-phone unit supplied with some 1960s crystal radio kit. the package was the usual full size headphone unit, not the small earplug unit. i'm wondering if the apparent sensitivity was somehow due to better sound coupling to more area of the ear.

hue miller

----\_\_ListProc\_\_NextPart\_\_\_\_BOATANCHORS\_\_digest\_1448

From owner-boatanchors@sco.theporch.com Tue May 20 00:04:55 1997  
From: bdhall@ghg.net (Benjamin D. Hall)  
Subject: Dallas TX Hamcomm?  
Message-ID: <3.0.32.19970519093831.006a1c08@mailman.ghgcorp.com>

Greetings y'all!

Was wondering if there might be some interest in a BoatAnchor List Member get together up at Hamcomm in Dallas, kinda like what we did at Austin last year? (got together, talked about radios, headed out to lunch at the pink place [taco cabana]) Was nice to attach faces to names at Austin, would be nice to meet the DFW crowd. The only problem last year is that we did it at noon, whereas everyone (including myself!!!) was starving hungry by 10 am since we had all been up since like 4 am to get there... ;-0

Thanks and 73,  
Ben

---  
Benjamin D. Hall - Junque collector extraordinaire.  
Located in Houston Texas.  
e-mail: BDHall@ghg.net  
web page: <http://www.ghgcorp.com/bdhall>

----\_\_ListProc\_\_NextPart\_\_\_\_BOATANCHORS\_\_digest\_1448

From owner-boatanchors@sco.theporch.com Tue May 20 00:04:55 1997  
From: Lenox Carruth <carruth@swbell.net>  
Subject: Re: Dallas TX Hamcomm?  
Message-ID: <33809AF6.7E9C@swbell.net>

Benjamin D. Hall wrote:

>

Ben, this is a good idea. Lunch sounds like a good time to do it. They had a Saturday evening meeting last year but I could not make it. Keep us posted. I will probably have a table near the back entrance to the flea market where we can hang out. I usually have extra chairs and plenty of room.

> Greetings y'all!

>

> Was wondering if there might be some interest in a BoatAnchor List Member  
> get together up at Hamcomm in Dallas, kinda like what we did at Austin last



> year? (got together, talked about radios, headed out to lunch at the pink  
> place [taco cabana]) Was nice to attach faces to names at Austin, would be  
> nice to meet the DFW crowd. The only problem last year is that we did it  
> at noon, whereas everyone (including myself!!!) was starving hungry by 10  
> am since we had all been up since like 4 am to get there... ;-0  
>  
> Thanks and 73,  
> Ben  
>  
> ---  
> Benjamin D. Hall - Junque collector extraordinaire.  
> Located in Houston Texas.  
> e-mail: BDHall@ghg.net  
> web page: <http://www.ghgcorp.com/bdhall>

--

Lenox

-----  
-  
Lenox Carruth, Jr. Dallas, Texas  
Carruth@swbell.net  
Collector of WW-II Communications Equipment and Memorabilia

Wanted: Excellent TCS-14 Transmitter and Mounting Plate, TBX, LS-3  
-----

--

----\_\_ListProc\_\_NextPart\_\_\_\_BOATANCHORS\_\_digest\_1448

From owner-boatanchors@sco.theporch.com Tue May 20 00:04:55 1997  
From: Lenox Carruth <carruth@swbell.net>  
Subject: Re: Dallas TX Hamcomm?  
Message-ID: <3380BD4C.464F@swbell.net>

It is the North Texas ham convention. June 6,7 & 8 at the Arlington  
Convention Center. Call them at (972) 442-1721, e-mail them at  
hamcom@iamerica.net or visit their web site at <http://www.hamcom.org>

W5SUM - Ronnie wrote:

>  
> Lenox  
>  
> when the heck is Hamcom?  
>

> Ronnie

--

Lenox

-----  
-  
Lenox Carruth, Jr. Dallas, Texas  
Carruth@swbell.net  
Collector of WW-II Communications Equipment and Memorabilia

Wanted: Excellent TCS-14 Transmitter and Mounting Plate, TBX, LS-3  
-----

--

----\_\_ListProc\_\_NextPart\_\_\_\_BOATANCHORS\_\_digest\_1448

From owner-boatanchors@sco.theporch.com Tue May 20 00:04:55 1997  
From: "John Goller" <k9uwa@cris.com>  
Subject: Dayton  
Message-ID: <199705191522.LAA13521@cliff.concentric.net>

Hello Boatpeople...finally got to meet several of you. Dayton was a great success again this year. All my boats found new deserving homes. Many of my BC/SW Wooden radios found new homes. Lots of old friends...lots of new friends..Sunburnt...better than being wet..ate too much good food! Bought a couple of new boats and one nice Wood Box Atwater Kent...ready for next year! de John K9UWA  
John K9UWA

k9uwa@cris.com

----\_\_ListProc\_\_NextPart\_\_\_\_BOATANCHORS\_\_digest\_1448

From owner-boatanchors@sco.theporch.com Tue May 20 00:04:55 1997  
From: J P Taillebois <jpt1@idirect.com>  
Subject: Dayton, R-174....  
Message-ID: <199705192233.SAA10637@relief.idirect.com>

Hi to the gang,

Had a good time at Dayton just the one day. Very pricy stuff for the poor canadian cousins.  
Brought home the complete R-174 rcvr with p/s and the canvas bag containing some of the accessories. Good little unit works great. I am missing a couple pf things and was woundering if there was spares around.

Missing: Canvas cover for radio unit  
Headphone cable adaptor  
12 volt p/s cable

Does anyone know if there was a matching transmitter for the unit and was it used in the Vietnam war era?

thank you

73

----- VE3JPT VE3JPT VE3JPT -----

Jean Paul Taillebois Interest:  
Hallicrafter, Gonset, Johnson, Collins, Military  
radios and books.  
996 Greenlane Court  
Oshawa Ontario Canada  
L1K-2C6  
voice: 905 723 1811  
paket: ve3jpt@ve3hqr

-----  
-----  
-----  
----\_ListProc\_NextPart\_\_\_\_BOATANCHORS\_\_digest\_1448

From owner-boatanchors@sco.theporch.com Tue May 20 00:04:55 1997  
From: Rolf Jansson <rolf.jansson@ub.umu.se>  
Subject: drake  
Message-ID: <199705191030.MAA06704@mail.umu.se>

Hi anyone having a Spr-4, MN-4 or MN-2000 for sale ?

73 de Rolf SM2MZC

-----\_ListProc\_NextPart\_\_\_\_BOATANCHORS\_\_digest\_1448

From owner-boatanchors@sco.theporch.com Tue May 20 00:04:55 1997  
From: eb5agv@ctv.es  
Subject: Drake MC-4 for SALE/TRADE  
Message-ID: <1.5.4.32.19970519110130.006a3b20@192.168.0.1>

Hello!

As title says, I have a Drake MC-4 (mobile speaker plus wattmeter) for sale.

It is in 8 cosmetic and 9+ electrical condition.

I have no idea of which is its market value, so please, if interested, let me know by private e-mail with your offer. If you prefer trades, let me know what you have.

Buyer should pay shipping from Spain (not too expensive as it is not a heavy item).

Thanks!

JOSE

-----  
73 JOSE V. GAVILA (EB5AGV / EC5AAU)  
Ausias March 46, 15  
46910 Benetusser - VALENCIA  
SPAIN

\*\*\*\*\* PLEASE, VISIT MY HOME PAGE! \*\*\*\*\*

<http://www.geocities.com/SiliconValley/6992/>  
e-mail: eb5agv@ctv.es & eb5agv@amsat.org  
-----

----\_\_ListProc\_\_NextPart\_\_\_\_BOATANCHORS\_\_digest\_1448

From owner-boatanchors@sco.theporch.com Tue May 20 00:04:55 1997  
From: Bob Roehrig <broehrig@admin.aurora.edu>  
Subject: FMT test night approaches  
Message-ID: <Pine.ULT.3.96.970519195014.18588B-1000000@admin.aurora.edu>

Hey folks, just a reminder that the 1st BA FMT (frequency measuring test) is just a couple of days away. It happens this Wednesday night (Central time), which is 0000Z Thursday May 22.

Get those BC-221's and other BA gear warmed up and join the fun.

Thanks to whoever forwarded the info to the the ARRL letter. Nice to see us get a bit more publicity on this.

The local frequency standard is now running 1 part in  $10^{-11}$  so the counter used to measure the transmitter will be much more accurate than anyone out there can measure with BA equipment.

E-mail broehrig@admin.aurora.edu

73 de Bob, K9EUI

CIS: Data / Telecom Aurora University, Aurora, IL  
630-844-4898 Fax 630-844-5530

----\_\_ListProc\_\_NextPart\_\_\_\_BOATANCHORS\_\_digest\_1448

From owner-boatanchors@sco.theporch.com Tue May 20 00:04:55 1997  
From: Brian.Harris@sv.sc.philips.com (Brian Harris)  
Subject: Free RME-45  
Message-ID: <00022B17.1914@scs.philips.com>

I bet that subject line made you open this post! I purposely left off the word, "brochure".

I have an original RME-45 brochure that I will xerox copy and mail to anyone that has one of the receivers. There will be no charge if you provide me with the serial number of your receiver.

Why am I doing this? Because I am a nice guy AND I want to see what kind of response I will get. The reason being, I have acquired a lot of RME literature and documentation and I plan to scan it and offer high quality copies for sale.

The first items I intend to offer are an RME-69 manual and their famous "TIME WILL TELL" marketing brochure. If the first two go well, others will follow.

73,

Brian Harris WA5UEK

----\_\_ListProc\_\_NextPart\_\_\_\_BOATANCHORS\_\_digest\_1448

From owner-boatanchors@sco.theporch.com Tue May 20 00:04:55 1997  
From: mraine@compusmart.ab.ca (Marty Raine)  
Subject: FS Drake L4B Linear Amp  
Message-ID: <199705200510.XAA07458@bernie.compusmart.ab.ca>

>To: boatanchors@theporch.com  
>From: mraine@compusmart.ab.ca (Marty Raine)  
>Subject: FS Drake L4B Linear Amp  
>

>Very nice Drake L4b Amp for sale in Alberta. Front panel very good shape...NO marks. Cabinet clean....NO scratches.

>Original owner has added fingerstock underchassis to improve grounding.

>Nice work, many screws!

>\$1200.00 CDN....and remember the discount US vs CDN \$\$!

>

>Pls phone:

>Leo Kiefer, VE6LG  
>403-434-6117  
>0900-2200 MDT  
>Leave msg if no answer  
>Discuss shipping with him...he has boxes for PS, tubes & manuals, amplifier  
>You ship  
>  
>73  
>Marty, VE6TS  
>  
>  
>  
>  
>Am re-sending this for my friend, Leo....he had an interested person but  
they didn't connect in time before that person bought another one.  
So....the L4B is still for sale....and if you don't want to go thru the  
phone call routine, I will accept emails for him and pass on. How's that for  
a helpful BA person, who collects Collins BTW.

Marty  
VE6TS

----\_\_ListProc\_\_NextPart\_\_\_\_BOATANCHORS\_\_digest\_1448--  
----\_\_ListProc\_\_NextPart\_\_864104369432052184--

From owner-boatanchors@sco.theporch.com Tue May 20 00:04:55 1997  
From: jkh@lexis-nexis.com (John Heck)  
Subject: FS: ARRL and E&E Handbooks  
Message-ID: <9705191419.AA15917@beans.lexis-nexis.com>

Folks,  
I have the handbooks listed below for sale. They are all in good condition with  
no more than normal wear and tear. All are \*hardbound\*. Prices are plus shipping,  
and I think book rate to continental US locations would run about \$4 per handbook.  
Please reply only to me, not the list. Thanks.

#### ARRL Handbooks

1943 - 21st edition - \$25  
1948 - 25th edition - \$25

#### Editors and Engineers Radio Handbooks

1940 - 7th edition - \$25  
1941 - 8th edition - \$25

1946 - 10 edition - \$25

Regards,  
John Heck, KC8ETS  
1009 Donson Drive  
Dayton, Ohio 45429  
(513)865-7036(work)  
jkh@lexis-nexis.com

----\_\_ListProc\_\_NextPart\_\_\_\_BOATANCHORS\_\_digest\_1448

From owner-boatanchors@sco.theporch.com Tue May 20 00:04:55 1997  
From: Brian.Harris@sv.sc.philips.com (Brian Harris)  
Subject: FS: Motorola FM Schematic Digest  
Message-ID: <00022AA2.1914@scs.philips.com>

For Sale:

FM Schematic Digest - A Collection of Motorola Schematics - by Two-Way Radio Engineers, Inc. of Boston.

This 92-page book contains schematics diagrams of much of the Motorola equipment manufactured in the 50's and was targeted towards hams that converted this equipment to 50, 144 or 450 megacycles. In addition to schematics, it also contains many equipment photographs and great explanations of their patented squelch and discriminator circuits.

It is in good condition. I want \$20 plus mailing, or it stays in my own technical library, even though its 11" X 17" size doesn't fit well with everything else.

Brian Harris WA5UEK

----\_\_ListProc\_\_NextPart\_\_\_\_BOATANCHORS\_\_digest\_1448

From owner-boatanchors@sco.theporch.com Tue May 20 00:04:55 1997  
From: gpewitt@execpc.com  
Subject: GRC-109 VFO??  
Message-ID: <Chameleon.970519185635.gpewitt@execpc.com.execpc.com>

Not having a lot of crystals and the ones I ordered from Phoenix not due for a while, I wonder if anyone has tried plugging a vfo into the crystal socket on the tx?  
I've found my Heath HG-10's work well on quite a few different transmitters including my Knight T-60.  
No I haven't been able to try it myself as the 1L6 in my rx was doa. If it works it would make life a little easier. Comments?

-----  
Name: Gary Pewitt N9ZSV/KT  
6120 W. Calumet Rd. Apt 204  
Milwaukee, WI 53223  
414 355 8147 Home 414 297 4307 Work  
E-mail: gpewitt@execpc.com  
From owner-boatanchors@sco.theporch.com Tue May 20 00:04:55 1997  
From: Brian.Harris@sv.sc.philips.com (Brian Harris)  
Subject: headphone info  
Message-ID: <00022365.1914@scs.philips.com>

I acquired a pair of Nathaniel Baldwin (Salt Lake City, Utah) headphones. They are marked, Type C, and have patent dates of May 10, 1910 and September 14, 1915. They have pins for attaching to binding posts rather than a plug and are in excellent condition, including all the cloth covering on the wire and the headband.

I am curious to find how long they were made after the patent dates and what their impedance is, the reason being, I also acquired a two-tube homebrew regen, built to look like an SW-3. It also came with a period homebrew power supply.

I figured the Type C meant "crystal" but perhaps that is too simple.

TIA,

Brian Harris WA5UEK

----\_\_ListProc\_\_NextPart\_\_\_\_BOATANCHORS\_\_digest\_1448

From owner-boatanchors@sco.theporch.com Tue May 20 00:04:55 1997  
From: Al Klase <skywaves@bw.webex.net>  
Subject: Re: headphone info  
Message-ID: <33809FF7.7C68@webex.net>

Brian Harris wrote:

>  
> I acquired a pair of Nathaniel Baldwin (Salt Lake City, Utah) headphones.  
> They are marked, Type C, and have patent dates of May 10, 1910 and September  
> 14, 1915. ....  
> I am curious to find how long they were made after the patent dates and what  
> their impedance is, the reason being, I also acquired a two-tube homebrew  
> regen, built to look like an SW-3.

I think you'll find the DC resistance to be 2000 ohms, this translates roughly into an impedance in the 10K ohm neighborhood, just right for a triode plate circuit. The advertizing claim in the early days was that these headsets were sufficiently more sensitive than common head sets to



make them as effective as adding an extra (triode) stage of audio. My crystal set adventures essentially confirm this.

> I figured the Type C meant "crystal" but perhaps that is too simple.  
>

There were several different models, but the only one's I've ever seen are the C's with the mica diaphragms. C does not stand for crystal. These are magnetic headsets of the balanced armature variety. A small iron bar, pivoted at its center is suspended in the gap of the circular magnet. A wire link connects the bar to the diaphragm. This design made a brief appearance in loud speakers in the late 1920's such as the RCA 100, and lived on for many years in both the transmitters and receivers of sound powered telephones, where efficiency was of tantamount importance.

73,  
Al

--

Al Klase - N3FRQ  
skywaves@bw.webex.net  
Flemington, NJ

----\_\_ListProc\_\_NextPart\_\_\_\_BOATANCHORS\_\_digest\_1448

From owner-boatanchors@sco.theporch.com Tue May 20 00:04:55 1997  
From: JOHN SEHRING <JOHN\_SEHRING.parti@ecunet.org>  
Subject: HEATH METER BALANCE PROBLEM  
Message-ID: <9705191550.aa24664@pcusa01.ecunet.org>

I've noticed that after a meter is dropped on something hard (pse don't yell!), it sometimes loses its mechanical balance. Wonder if weights shift under many g's or some part of meter movement gets bent by all this.

Nice idea using rubber cement, will try it!

-John Sehring (Sun, May 18, 1997 9:38 am MT @Baker, Montana) UCC WB2EQG

----\_\_ListProc\_\_NextPart\_\_\_\_BOATANCHORS\_\_digest\_1448

From owner-boatanchors@sco.theporch.com Tue May 20 00:04:55 1997  
From: JOHN SEHRING <JOHN\_SEHRING.parti@ecunet.org>  
Subject: HEATH TT-1 TUBE TESTING TECHNIQUE  
Message-ID: <9705191550.aa24802@pcusa01.ecunet.org>

The Heath TT-1 tube tester uses what they call 'proportional mutual conductance'.

I don't know enuf about tube testing to know how this differs from 'transconductance', 'dynamic transconductance', and 'power output' testing (as described in the TT-1 manual).

My BK 707 manual says it uses 'dynamic mutual conductance' testing.

BTW, Heath says it takes about 10 minutes for a tube to stabilize at a lower filament voltage, for life estimate test to be accurate. Didn't know that.

My BK 707 doesn't mention a time factor, just that more than 25% drop in performance indication for 10-15% filament voltage reduction probably means tube is depleted.

Jeff's method of cross checking the TT-1 transconductance with another circuit sounds fascinating! Didn't Tek or HP make an o'scope plug-in that checked tubes this way?

-John Sehring (Mon, May 19, 1997 9:55 am MT @Baker, Montana) UCC WB2EQG

----\_\_ListProc\_\_NextPart\_\_\_\_BOATANCHORS\_\_digest\_1448

From owner-boatanchors@sco.theporch.com Tue May 20 00:04:55 1997  
From: JOHN SEHRING <JOHN\_SEHRING.parti@ecunet.org>  
Subject: HELP WITH DRAKE TR-4 VOX  
Message-ID: <9705191550.aa24705@pcusa01.ecunet.org>

Look at leaky caps too.

The Drake Vox (and Alc & Agc) circuits are very high impedance, 10 megs+. Any leakage will ruin time constants & such.

-John Sehring (Sun, May 18, 1997 9:41 am MT @Baker, Montana) UCC WB2EQG

----\_\_ListProc\_\_NextPart\_\_\_\_BOATANCHORS\_\_digest\_1448

From owner-boatanchors@sco.theporch.com Tue May 20 00:04:55 1997  
From: "Kenneth G. Gordon" <keng@uidaho.edu>  
Subject: HW-16 mods...  
Message-ID: <199705191458.HAA01720@piobaire.mines.uidaho.edu>

To all who asked me for the modification I have worked up to use the receiver VFO to control the transmitter frequency, although I have not yet finished mine, the following will be of interest.

The design replaces the 6CL6 oscillator with a triode-pentode. I am using the 6HF8 because it is the same tube as the HW-16's audio preamp/output. Other tube types may be used if you prefer.

The triode section is used as a transmitter "heterodyne oscillator" and the pentode is wired as the transmitter mixer.

Oscillator frequency is 5650 kHz. Since the VFO tunes "backwards", from 2150 kHz to 1900 kHz, this gives an output from the mixer at 3500 - 3750 kHz. Mixer plate tuned circuits are the old 6CL6 plate tuned circuits, thus no additional tuned circuits are necessary.

The mixer is grid block keyed as is the rest of the normal circuit.

The receiver VFO drives both the receiver mixer as before and the transmitter mixer simultaneously. This is common practice in transceivers.

A small measure of RIT is accomplished by removing the present fixed shunting caps from the rx het.osc. crystals and replacing them with a small variable.

Likewise the transmitter het osc crystal shunt cap is a small trimmer to facilitate netting rx/tx.

I am not finished tweaking the circuit values yet, but will post or snail mail the final info to those who have asked for it.

BTW, based on the fact that I can use 80 meter crystals in my HW-16 to operate on 15, I have not included a second crystal and the necessary switching for a tx het. osc. frequency of 9150 kHz for 40 meter output from the tx mixer, but I think diode switching voltages could be borrowed from other places in the HW-16's bandswitching circuitry if this were necessary.

I will keep you all posted.

Ken W7EKB

----\_\_ListProc\_\_NextPart\_\_\_\_BOATANCHORS\_\_digest\_1448

From owner-boatanchors@sco.theporch.com Tue May 20 00:04:55 1997  
From: "Kenneth G. Gordon" <keng@uidaho.edu>  
Subject: Isolations transformers...  
Message-ID: <199705192214.PAA06577@piobaire.mines.uidaho.edu>

I have three isolations transformers:

115 volts 13 amps.

Name plate says that one winding is good for 165 working volts, and the other good for 535 working volts.

They are heavy!!! Anyone want 'em? Make me an offer. Oh, BTW, you ship! :-)

Ken W7EKB

----\_\_ListProc\_\_NextPart\_\_\_\_BOATANCHORS\_\_digest\_1448

From owner-boatanchors@sco.theporch.com Tue May 20 00:04:55 1997  
From: Paul & Sandra Bock <bocks@erols.com>  
Subject: Items wanted; items for trade  
Message-ID: <33812FBE.C30@erols.com>

The following items are WANTED, either for cash or for trade:

U.S. Navy shipboard telegraph keys, any era (NOTE: Do \*NOT\* need 26001A, 26003A, or 26012).

Square-corner (non-Lionel) black base for J-38, complete with binding posts and brass eyelet.

Johnson Viking 122 VFO, complete.

The following items are available FOR TRADE:

E.F. Johnson 114-100-3 "High Speed Standard Key," top-of-the-line all-brass "legless" open-frame key with circuit closer, circa 1962. Knurling chewed up on lever arm travel adjusting screw, otherwise complete and VGC.

E.F. Johnson "Speed-X" 114-320 key, rectangular black wrinkle base, chrome parts, Navy-style knob, "Speed-X" engraved in top of lever arm, no circuit closer, circa 1960. Similar to Nye Viking 320-001. Complete, VGC.

CAQZ-26026 USMC weatherproof key, olive drab enclosure and base plate, 6' cord w/PL-55 plug. No leg clamp. Originally p/o Type MAR radio transmitting equipment, 1945-1950's vintage. VGC.

German military key Morsetaste K 40, mfg in former German Democratic Republic (aka East Germany) by KFZ-Bedarf, Leipzig. Round black knob, "flip-top" hinged black plastic cover, 6' cable w/DIN-style plug. Works

as either a "make" or a "break" key. "Cold War" vintage. VGC.

BC-221-N Frequency Meter, s/n 4543. AC Supply installed in battery compartment, toggle switch & pilot lamp mounted on top, otherwise original and VGC with calibration book, spare tubes, original copy of BC-221 Technical Manual. Fully operational.

E-mail to pauboc@pulse.com or bocks@erols.com.

73,

Paul, K4MSG

-----\_\_ListProc\_\_NextPart\_\_\_\_BOATANCHORS\_\_digest\_1448

From owner-boatanchors@sco.theporch.com Tue May 20 00:04:55 1997  
From: Marty Raine <mraine@compusmart.ab.ca>  
Subject: Jim Condon, AD4YM , Pls Read  
Message-ID: <337FF4E8.F4A@compusmart.ab.ca>

(sry for the bandwidth...just trying to help)

Jim...re the Drake L4B you expressed an interest in some time ago with Leo, VE6LG, here in Edmonton. He has tried to call you many times at the number you gave on your voice msg but no luck.  
Pls contact me via email and I will get you connected with him.

73  
Marty  
VE6TS

-----\_\_ListProc\_\_NextPart\_\_\_\_BOATANCHORS\_\_digest\_1448

From owner-boatanchors@sco.theporch.com Tue May 20 00:04:55 1997  
From: bdhall@ghg.net (Benjamin D. Hall)  
Subject: Kenwood R-1000, is it a BA?  
Message-ID: <3.0.32.19970519114035.006a1ee0@mailman.ghgcorp.com>

Hi folks, need info on a Kenwood R-1000. Is it a BA or VSS? My usual references leave me scratching my head. Also looking for comments.

Please respond direct to me at BDHall@ghg.net...

Thanks and 73,  
Ben

---

Benjamin D. Hall - Junque collector extraordinaire.  
Located in Houston Texas.

e-mail: BDHall@ghg.net  
web page: <http://www.ghgcorp.com/bdhall>

----\_\_ListProc\_\_NextPart\_\_\_\_BOATANCHORS\_\_digest\_1448

From owner-boatanchors@sco.theporch.com Tue May 20 00:04:55 1997  
From: don merz <71333.144@CompuServe.COM>  
Subject: King Hinnners 3-Dialer  
Message-ID: <970519194444\_71333.144\_DHB56-1@CompuServe.COM>

I just picked up an old 1926 Neutrodyne 3-dialer made by King-Hinnners of Buffalo, NY. I have never owned one of these old broadcast sets so I am pretty ignorant about them. This one has 3 1/4" jacks on the front marked 2nd Audio, Detector, and 1st Audio respectively. Are all 3 of these headphone jacks? Can they be used at the same time? The circuit is simple and uses 5 01A tubes.

Any help appreciated. Anyone have a schematic in ther Rider's? Any other information on this set?

Thanks.  
73, Don

----\_\_ListProc\_\_NextPart\_\_\_\_BOATANCHORS\_\_digest\_1448

From owner-boatanchors@sco.theporch.com Tue May 20 00:04:55 1997  
From: George Humphrey <gah@koyote.com>  
Subject: Lunchbox Mics Question  
Message-ID: <1.5.4.32.19970520040824.00b50b14@mail.koyote.com>

BAers,

I am now the proud owner of 2 Twoers and 1 Sixer, all three missing their respective microphones. In a long line of dumb questions to this group, all of which you have been paitent with, I need more advice. I notice the Twoer manual specifies a ceramic mic, while RatShack and All Electronics sell dynamic and electret mics. What I know about mics couldn't fill a thimble, so are any of these modern day mics compatiabile with the Twoers or Sixer?

I have tried this before without any luck, but if anyone has any of the Twoer/Sixer mics laying around they would like to sell, please contact me. Thanks for your patience.

73 George KC5WBV  
gah@koyote.com

73 George KC5WBV  
gah@koyote.com

----\_\_ListProc\_\_NextPart\_\_\_\_BOATANCHORS\_\_digest\_1448

From owner-boatanchors@sco.theporch.com Tue May 20 00:04:55 1997  
From: aculbert@pps1-po.phyp.uiowa.edu  
Subject: MISC FOR SALE  
Message-ID: <199705191458.JAA10807@cc-gate.uiowa.edu>

The following items are for sale, shipped surface CONUS. Will also talk trade on B&W plug in coils type MEL, JVL and TVL.

- 1) Electro-Voice Model 664 microphone with 419 stand. Very good condition with copy of documentation. \$65.
- 2) Electro-Voice Model 664 microphone. No stand, excellent condition with copy of documentation. \$50.
- 3) 11th edition E & E Handbook. Very good condition. \$23.
- 4) 12th edition E & E Handbook. Good condition \$18.
- 5) 13th edition E & E Handbook. Spine covering coming off, otherwise in good condition \$13.

Al, KOAL

allan-culbert@uiowa.edu

----\_\_ListProc\_\_NextPart\_\_\_\_BOATANCHORS\_\_digest\_1448

From owner-boatanchors@sco.theporch.com Tue May 20 00:04:55 1997  
From: leeboo@ct.net (Leon Wiltsey)  
Subject: need manual  
Message-ID: <199705191854.0AA12008@blue.ct.net>

Hi gang just got a old Dumont 304 scope  
anybody got a manual or schematic,will gladly  
oay all coats. 73 73 73

I SUB TO BOTH GLOWBUGS & BOATABCHORS

68 yr old semidisabled senior  
(stroke got my balance & hand to eye coordination)  
old old old ham but I'm back agn  
now KF4RCL TECK+ (MUCH HAPPINESS)  
PLAY KEYBOARD AND SING?  
BUILD MOST OF MY STATION EQUIP  
(tubes that is no SOLID STATE)

no trash music (anything composed after 1965)

Leon B Wiltsey (Lee)  
4600 Lake Haven BLVD.  
Sebring, Fl. 33872

SEBRING FL. THAT WONDERFUL PLACE WHERE THERE IS NO QRM  
FROM ANYTHING LOCAL

----\_\_ListProc\_\_NextPart\_\_\_\_BOATANCHORS\_\_digest\_1448

From owner-boatanchors@sco.theporch.com Tue May 20 00:04:55 1997  
From: J P Taillebois <jpt1@idirect.com>  
Subject: Need plud in cap for 51J-4  
Message-ID: <199705192232.SAA10613@relief.idirect.com>

Hi,

need a plug in cap for my 51J-4 power supply dual section electrolytic

40 mfd 450 v

any suggestions ?

73

-----  
----- VE3JPT VE3JPT VE3JPT  
-----

Jean Paul Taillebois Interest:  
Hallicrafter, Gonset, Johnson, Collins, Military  
radios and books.  
996 Greenlane Court  
Oshawa Ontario Canada  
L1K-2C6  
voice: 905 723 1811  
paket: ve3jpt@ve3hqr



-----  
-----  
-----  
  
----\_\_ListProc\_\_NextPart\_\_\_\_BOATANCHORS\_\_digest\_1448

From owner-boatanchors@sco.theporch.com Tue May 20 00:04:55 1997  
From: K6RCL@aol.com  
Subject: NEEDED ( ALIGNMENT AND SCHEMATICS )  
Message-ID: <970519204942\_-1130728035@emout11.mail.aol.com>

DEAR FELLOW BA'S:  
NEED THE FOLLOWING INFORMATION ON TWO HALLICRAFTER RADIOS I AM TRYING TO  
RESTORE-----

1. HALLICRAFTER S-38-C
2. HALLICRAFTER S-120

MORE THAN HAPPY TO PAY COPYING AND SHIPPING COSTS..

THANK YOU ALL

DENNIS K6RCL  
641 COLFAX COURT  
GOLETA, CALIF. 93117-1649

----\_\_ListProc\_\_NextPart\_\_\_\_BOATANCHORS\_\_digest\_1448

From owner-boatanchors@sco.theporch.com Tue May 20 00:04:55 1997  
From: jackiv@juno.com (John M Iverson)  
Subject: Re: Nicopress guywire fittings  
Message-ID: <19970519.133306.12454.1.jackiv@juno.com>

On Wed, 7 May 1997 11:41:53 GMT n5dc@juno.com (Granville B. Lane II)  
writes:

>This may not be the proper place for this, but I am looking for a  
>source  
>for nicopress fittings for tower guywire, and as well the swaging tool  
>to  
>set them. Anybody know where these animals can be found?  
>

try a local electrical contractor who is in commercial work or better yet  
try to befriend a public service co. line truck crew.

73 jackiv@juno.com

jack iverson lovely palatine, il

----\_\_ListProc\_\_NextPart\_\_\_\_BOATANCHORS\_\_digest\_1448

From owner-boatanchors@sco.theporch.com Tue May 20 00:04:55 1997  
From: "Jim Zellmer" <zellmer@raccoon.com>  
Subject: No CW on SB-102 Heathkit  
Message-ID: <199705200123.UAA05954@slip1.raccoon.com>

I have been trying to get the CW function up on a HeathKit SB-102 for some time. Every thing works OK on the radio except the CW. Both sidebands transmit and the Tune function works. There is no CW tone coming from the tone oscillator and amplifier board. I have tried several 6EA8s and checked most of the componets in the circuit. I am beginning to wonder if the PE. C. #84-22 phase shift network has opened up, but am not sure how to test it. I may try putting a 1Kc tone in from my audio signal generator to check the the oscillator and amplifier parts. Does any one out in radio land have an idea on this one? I have been working on this problem one and off for a couple of years and would like to get this rig up for Field Day.

73 ES GOD BLESS U ES URS

JIM ZELLMER, KA0VSL

----\_\_ListProc\_\_NextPart\_\_\_\_BOATANCHORS\_\_digest\_1448

From owner-boatanchors@sco.theporch.com Tue May 20 00:04:55 1997  
From: Ken Gordon <keng@uidaho.edu>  
Subject: Re: No CW on SB-102 Heathkit  
Message-ID: <Pine.BSF.3.95.970519210835.9525A-100000@piobaire.mines.uidaho.edu>

On Mon, 19 May 1997, Jim Zellmer wrote:

> I have been trying to get the CW function up on a HeathKit SB-102 for some  
> time. Every thing works OK on the radio except the CW. Both sidebands  
> transmit and the Tune function works. There is no CW tone coming from the  
> tone oscillator and amplifier board. I have tried several 6EA8s and checked  
> most of the componets in the circuit. I am beginning to wonder if the PE.  
> C. #84-22 phase shift network has opened up, but am not sure how to test  
> it. I may try putting a 1Kc tone in from my audio signal generator to  
> check the the oscillator and amplifier parts. Does any one out in radio  
> land have an idea on this one? I have been working on this problem one and  
> off for a couple of years and would like to get this rig up for Field Day.

If the SB-102 works the same way as the SB-100/101, the problem is more than likely in the phase-shift network. My SB-100 had the same problem, and I went through everything which could possibly be connected with CW. I finally, in desperation, replace the phase-shift network and it started to work. I vaguely remember that there was some other trick I tried on the

advise of W7CJB to isolate the problem, but don't now remember what it was.

Ken W7EKB

----\_\_ListProc\_\_NextPart\_\_\_\_BOATANCHORS\_\_digest\_1448

From owner-boatanchors@sco.theporch.com Tue May 20 00:04:55 1997  
From: "JOSE V. GAVILA (EB5AGV/EC5AAU)" <eb5agv@ctv.es>  
Subject: RCA 1967 price list  
Message-ID: <1.5.4.32.19970519171115.006a7384@sandra.ctv.es>

Hi BA people!

I've discovered, inside a 5 tube caddy, a curious item: it is an RCA price list, in mint condition, which reads:

'FG-2X OPTIONAL LIST PRICE SCHEDULE April 1, 1967'  
'Entertainment receiving tubes'  
'Industrial tubes for dealer service'  
'Replacement semiconductors' <--- sorry! 8-)

Some interesting prices:

1L6: 12.55 <--- high price is not new !!!  
6146B/8298A: 6.10 (wish I could buy one dozen at this price...)  
2A3: 9.90  
6BN8: 3.35  
5U4G: 2.10  
6C4: 1.95  
6AZ8: 5.50

Well, that's all for now... If somebody is interested in a 1967 tube price, please, let me know.

Best regards.

JOSE

-----  
73 JOSE V. GAVILA (EB5AGV / EC5AAU)  
Ausias March 46, 15  
46910 Benetusser - VALENCIA  
SPAIN

\*\*\*\*\* PLEASE, VISIT MY HOME PAGE! \*\*\*\*\*

<http://www.geocities.com/SiliconValley/6992/>  
e-mail: eb5agv@ctv.es & eb5agv@amsat.org

-----

----\_\_ListProc\_\_NextPart\_\_\_\_BOATANCHORS\_\_digest\_1448

From owner-boatanchors@sco.theporch.com Tue May 20 00:04:55 1997  
From: "D.D. Todd" <dube3@n-link.com>  
Subject: resistor/capacitor doohickey  
Message-ID: <33812E64.6646@n-link.com>

Anyone have a spare resistor/capacitor doohickey of the sort that is used as an r/c coupling circuit in ac/dc radios? I don't know the correct name, but the things are flat and have 4 or 5 wires protruding from one side. I have an old radio with one that needs replacing.

Thanks and 73,

--

D.D.Todd

dube3@n-link.com

Can there be greater blindness than to impute the crime to the dagger and not to the hand that wields it?

-- Antonio Lopez de Santa Anna

----\_\_ListProc\_\_NextPart\_\_\_\_BOATANCHORS\_\_digest\_1448

From owner-boatanchors@sco.theporch.com Tue May 20 00:04:55 1997  
From: "Grant Youngman" <nq5t@gte.net>  
Subject: Re: resistor/capacitor doohickey  
Message-ID: <199705200314.WAA02832@smtp.gte.net>

> Anyone have a spare resistor/capacitor doohickey of the sort that is  
> used as an r/c coupling circuit in ac/dc radios? I don't know the  
> correct name, but the things are flat and have 4 or 5 wires protruding  
> from one side.

These are called "Couplates" and there are a wide variety of types, with varying values depending on application. Is there a number on there somewhere of the form "PC-xxx"? If so, I might be able to give you a wiring diagram and component values, although I don't have any of the things laying around.

Grant/NQ5T

-----

Grant Youngman / NQ5T

nq5t@gte.net

BA pics at <http://home1.gte.net/nq5t>

Double Oak, TX -- nr Dallas

----\_\_ListProc\_\_NextPart\_\_\_\_BOATANCHORS\_\_digest\_1448

From owner-boatanchors@sco.theporch.com Tue May 20 00:04:55 1997

From: jcreid@CCGATE.HAC.COM

Subject: SP-600 Speaker

Message-ID: <9704198640.AA864061882@CCGATE.HAC.COM>

Hi Gang,

I was staring at my SP-600 sitting on the filing cabinet the other day. I'd love to fire it up and have a listen, but it has been idle for many years before I got it and it's full of those black bastards. I'm not gonna risk it and I don't have the time to change them right now. I was curious, however, as to what speaker was used with this radio. If it was rack-mounted, then I suppose it could've been any type of speaker box with 600 ohms impedance. This one is in a desktop case, tho. Was there a matching speaker for this radio??

-Jim N6SVS

jcreid@ccgate.hac.com

----\_\_ListProc\_\_NextPart\_\_\_\_BOATANCHORS\_\_digest\_1448

From owner-boatanchors@sco.theporch.com Tue May 20 00:04:55 1997

From: bdhall@ghg.net (Benjamin D. Hall)

Subject: Re: SP-600 Speaker

Message-ID: <3.0.32.19970519125620.006a9818@mailman.ghgcorp.com>

> I was staring at my SP-600 sitting on the filing cabinet the other day.

I'd

>love to fire it up and have a listen, but it has been idle for many years before

>I got it and it's full of those black bastards. I'm not gonna risk it and I

Hi Jim and list, I've got two SP-600's full of those black uglies, and both sets work well! Might be worth getting out the VTVM and seeing if they are okay or not, you may be pleasantly surprised! One day I'm going to change mine out in favor of disc ceramics...

Thanks and 73,

Ben

---

Benjamin D. Hall - Junque collector extraordinaire.

Located in Houston Texas.  
e-mail: BDHall@ghg.net  
web page: <http://www.ghgcorp.com/bdhall>

----\_\_ListProc\_\_NextPart\_\_\_\_BOATANCHORS\_\_digest\_1448

From owner-boatanchors@sco.theporch.com Tue May 20 00:04:55 1997  
From: BEN NOCK <106312.1035@compuserve.com>  
Subject: Spy set type No 122 ???  
Message-ID: <199705191744\_MC2-16E7-D8C7@compuserve.com>

Anyone got any info on the type 122 set, its black  
about 12 by 10 by 3, mains or external dc psu,  
covers 2.9 to 6.2 Mhz, cw tx only, tuning rx.

Any info, circuit would be nice, info etc  
would be very interesting.

Ben G4BXD

MILITARY WIRELESS IN THE MIDLANDS

----\_\_ListProc\_\_NextPart\_\_\_\_BOATANCHORS\_\_digest\_1448

From owner-boatanchors@sco.theporch.com Tue May 20 00:04:55 1997  
From: Dean Davidson <ddavidso@metz.une.edu.au>  
Subject: Re: Spy set type No 122 ???  
Message-ID: <3.0.1.16.19970520092725.353f72d6@metz.une.edu.au>

At 17:43 19/05/97 -0400, BEN NOCK wrote:

>Anyone got any info on the type 122 set, its black  
>about 12 by 10 by 3, mains or external dc psu,  
>covers 2.9 to 6.2 Mhz, cw tx only, tuning rx.  
>

>Any info, circuit would be nice, info etc  
>would be very interesting.  
>

I replied to Ben about this, but I thought that the list might  
also be interested. Pardon me for nostalgia - a dreaded disease  
of us BA folk!

"In 1964 the UK built WS122 was introduced to the squadron. (Note that  
there was a WW2 set with the same nomenclature - the WW2 set was  
however about the same size as the WS62 - which we also were trained  
on but never used operationally). The 122 was designed to be powered  
by just about anything - DC 12V, AC 110V & 240V so it would plug into  
the mains. In the bush unfortunately there are no power points so it  
also came with the Universal Hand Generator (UHG), so called because

you could strap it to a convenient post and operate it using your arms or pedal it like a bicycle. To this day, I do not know the specifications of the set. We were not allowed to make any notes about it during lectures, or even mention it to fellow members of the squadron (the same with OTLP). It was designed to fit in a suitcase and even although transistor radios had been about for years, it only had valves in it. From the size of the main transmitter tube in it, I would say that it would deliver about 25 Watts. As far as I can remember, it was designed strictly for CW use so there was no modulator, but did of course have a BFO. It was crystal controlled for transmit but with a tunable receiver as we always used separate transmit and receive frequencies. In the field, operation of the set was a two man operation, one to operate the set and the other to operate the UHG. The best job was to operate the set, as when the set was receiving, cranking the generator was no problem, but every time the set was turned to transmit, you really felt it! The aerial we used with this set was usually a sloping wire.

"

Extract from iFROM MORSE KEY TO COMPUTER KEYBOARDi  
Copyright Dean Davidson 1996

--

Dean Davidson Web Page: <http://www.une.edu.au/~psychology/deand.htm>  
Dept Psychology Email: <mailto:ddavidso@metz.une.edu.au>  
University of New England Phone: 61 67 73 2585  
Armidale NSW 2351 Australia VK2 ZID

----\_\_ListProc\_\_NextPart\_\_\_\_BOATANCHORS\_\_digest\_1448

From owner-boatanchors@sco.theporch.com Tue May 20 00:04:55 1997  
From: Rolf Jansson <[rolf.jansson@ub.umu.se](mailto:rolf.jansson@ub.umu.se)>  
Subject: tools back on my R-390a  
Message-ID: <199705191032.MAA06773@mail.umu.se>

Hi  
anyone knowing where I can get the tools  
which should be mounted back on my R-390A

73 de Rolf SM2MZC

----\_\_ListProc\_\_NextPart\_\_\_\_BOATANCHORS\_\_digest\_1448

From owner-boatanchors@sco.theporch.com Tue May 20 00:04:55 1997  
From: wallace@world.std.com (Andy Wallace)  
Subject: TR-4Cw/RIT VOX (+cw) delay fix .JPG  
Message-ID: <3380da04.8380840@world.std.com>

Hi, Folks!

Since there was so much discussion about this, I just scanned in (at 100 dpi, sorry!) the notes Bill Frost of Drake sent regarding the fix for the TR-4Cw delay time. On CW this means you switch back to receive almost in between characters. Anyway the fix is a cap and a pot, though I imagine once you find a good timing you can substitute a resistor for the pot.=20

The JPG is about 95K, black and white. It's readable. I don't think Bill would mind me passing it along, especially since it keeps us enjoying the wonderful rig...

Please email ME and not the list at=20  
wallace@world.std.com  
to request the image. I will put it up on my website eventually and if you think it's useful maybe we could put it at the archives also. I have not tried this mod yet.

--73,  
Andy  
wallace@world.std.com  
"Well. Great! I'll be a single guy living at home  
with his parents. All I need now is to dust off the=20  
old HAM RADIO, start collecting tropical fish --  
I'll be the biggest loser in the world!"  
--Drew Carey

----\_\_ListProc\_\_NextPart\_\_\_\_BOATANCHORS\_\_digest\_1448

From owner-boatanchors@sco.theporch.com Tue May 20 00:04:55 1997  
From: "Deane D McIntyre" <dmcintyr@acs6.ACS.UCALGARY.CA>  
Subject: Re: Tube Cross References (was:CV-series tubes??)  
Message-ID: <9705191806.ZZ947251@acs6.acs.ucalgary.ca>

>  
> >Does anyone know a place on the web for info about the equivalents of  
> >British CV- series or the American VT- series of  
> >military valves / tubes?  
> >



> >I have SOME limited equivalents links set up from my web site but  
> >not much about these & I am trying to find out about numerous tubes.  
>

Check out [http://deane.bio.ualgary.ca/vt\\_to\\_jan.2](http://deane.bio.ualgary.ca/vt_to_jan.2)

where I have placed Jerry Proc's excellent American VT cross reference.

Jerry has a special purpose tube (i.e. like 5933 or 2035)  
crossreference which I have also made available at my site  
as [http://deane.bio.ualgary.ca/sp\\_to\\_jan](http://deane.bio.ualgary.ca/sp_to_jan)

Both files are also linked to my homepage (<http://deane.bio.ualgary.ca>)  
as well as being available from the BA E-mail archive.

Of course, all this info is in L. Sibbly's(sp?) excellent book,  
Tube Lore, which is a must have reference for all BA folk.

Speaking of must have references, I came across one last month  
that I had never seen before. Allied Radio's Electronic Data Book  
(or something close...didn't have the book in front of me at the  
moment. Found at a garage sale for 50 cents....would have paid  
10x that for it. Only about 80 pages long, published in the 60's,  
bit full of formulae for tube circuits, inductance etc, tube substitution tables  
for all the common tubes (American to American, American to European  
and European to American), etc, some things I had never seen before  
(formulae for calculating resistance values for every type of obscure  
attenuator network around) etc. A lot of very useful information  
around the shack. Also a lot of info of little interest now (trig  
tables, Black & White Picture Tube Subs etc.....)

73, Deane D McIntyre VE6BP0  
[dmcintyr@acs.ualgary.ca](mailto:dmcintyr@acs.ualgary.ca)  
<http://deane.bio.ualgary.ca/>

----\_\_ListProc\_\_NextPart\_\_\_\_BOATANCHORS\_\_digest\_1448

From owner-boatanchors@sco.theporch.com Tue May 20 00:04:55 1997  
From: [w1nml@juno.com](mailto:w1nml@juno.com) (Lock Pingree)  
Subject: Tube Tester Adapter  
Message-ID: <19970519.064429.7031.0.w1nml@juno.com>

Hi Gang!

I've got a Hickok model 752 and with it is a "Compactron Adapter"

model CA-4. Does anyone have the settings for this thing ?

I'd gladly reimburse expenses of copying and mailing.

Tnx es 73

Lock Pingree W1NML/7  
AMI # 639 QCWA # 15033  
Phoenix, AZ  
w1nml@juno.com

----\_\_ListProc\_\_NextPart\_\_\_\_BOATANCHORS\_\_digest\_1448

From owner-boatanchors@sco.theporch.com Tue May 20 00:04:55 1997  
From: 4CX250B@miavx1.acs.muohio.edu  
Subject: Viking 500 Question  
Message-ID: <v03007800afa6238e007c@[134.53.5.143]>

Hi Gang:

I have an opportunity to acquire a Viking 500. However, the owner reports that he "has a spare 4-400A for the final." I don't know a lot about the transmitter, but I'm pretty sure it used one of the Penta Labs pentodes (PL-75A?) in the r.f. output stage. I'm guessing that the radio has been modified to use the 4-400A, but I'd like to know if by any chance EFJ actually made factory original units using the 4-400A? If not, is the Penta Labs tube possible to find?

Also, he reports that the rig blows fuses when he uses the 866 rectifiers, but that it works fine when he uses Si diode replacements. That suggests to me the transmitter has a short in rectifier filament winding to ground. Anybody have any experience with that transformer, or know if it is hard to rewind the filament winding? It would only be a few turns, and with any luck the filament winding would be on the outside of the other secondary windings. The rectifier filament winding would need 3000 Volt insulation from ground, so I wouldn't be surprised if it were a weak point in the design. I just hate to think of using the rig without being able to see the violet flicker of the rectifiers.

Thanks,

Jim Garland W8ZR

----\_\_ListProc\_\_NextPart\_\_\_\_BOATANCHORS\_\_digest\_1448

From owner-boatanchors@sco.theporch.com Tue May 20 00:04:55 1997

From: "Grant Youngman" <nq5t@gte.net>  
Subject: Re: Viking 500 Question  
Message-ID: <199705191531.KAA29152@smtp.gte.net>

>  
> that he "has a spare 4-400A for the final." I don't know a lot about the  
> transmitter, but I'm pretty sure it used one of the Penta Labs pentodes  
> (PL-75A?) in the r.f. output stage. I'm guessing that the radio has been  
> modified to use the 4-400A,

I think early Viking 500's were shipped with 4-250's in the final.  
Many (most?) were shipped with 4-400A's. Either tube is  
"standard", and is what Johnson designed in.

As to the 866's blowing fuses -- it could be due to flashover in bad  
or inadequately pre-conditioned rectifiers. Unless you can't live  
without the blue glow, a pair of 3B28's or SS plug-ins would  
probably be a better long term answer anyway.

Grant/NQ5T

Grant Youngman -- NQ5T  
nq5t@gte.net  
[HTTP://home1.gte.net/nq5t/index.htm](http://home1.gte.net/nq5t/index.htm)  
Double Oak, TX (near Dallas)

----\_\_ListProc\_\_NextPart\_\_\_\_BOATANCHORS\_\_digest\_1448

From owner-boatanchors@sco.theporch.com Tue May 20 00:04:55 1997  
From: Joe Eide <jeide@eau.net>  
Subject: Re: Viking 500 Question  
Message-ID: <33809C44.73B1@eau.net>

> Hi Gang:  
>  
> I have an opportunity to acquire a Viking 500. However, the owner reports  
> that he "has a spare 4-400A for the final." I'm guessing that the radio has  
been  
> modified to use the 4-400A,  
>  
> Also, he reports that the rig blows fuses when he uses the 866 rectifiers,  
> but that it works fine when he uses Si diode replacements.  
>  
> Jim Garland W8ZR

Hi Jim,

The 500 came with a 4-400A.

As to the 866s, I would immediately replace them with 3B28s. The 866s can cost you a transformer. I am not a fan of solid state rectifiers. The disadvantage in my mind is instant B+ before other tubes build a space charge and higher B+ voltages than would be normal in a transmitter that may have expected lower line voltages when it was manufactured. The advantage of solid state rectifiers would be less heat and less demand from the filament transformer.

These are only my opinions. I think that save not having 160, the 500 is a beautiful example of EFJ. There are of course things about it that make you wonder if they were guided by budget.

Good luck .. Joe Eide - KB9R    jeide@eau.net

-----\_\_ListProc\_\_NextPart\_\_\_\_BOATANCHORS\_\_digest\_1448

From owner-boatanchors@sco.theporch.com Tue May 20 00:04:55 1997  
From: Ken Gordon <keng@uidaho.edu>  
Subject: Re: Viking 500 Question  
Message-ID: <Pine.BSF.3.95.970519104423.3835A-1000000@piobaire.mines.uidaho.edu>

> As to the 866's blowing fuses -- it could be due to flashover in bad  
> or inadequately pre-conditioned rectifiers. Unless you can't live  
> without the blue glow, a pair of 3B28's or SS plug-ins would  
> probably be a better long term answer anyway.

My vote is for the 3B28s. They have a pretty glow too, but less intense than the 866s...AND you don't get hash (noise) from them either.

Ken W7EKB

-----\_\_ListProc\_\_NextPart\_\_\_\_BOATANCHORS\_\_digest\_1448

From owner-boatanchors@sco.theporch.com Tue May 20 00:04:55 1997  
From: Sandy W5TVW <ebjr@worldnet.att.net>  
Subject: Re: Viking 500 Question(long)  
Message-ID: <19970519163133.AAB16015@LOCALNAME>

At 03:43 PM 5/19/97 +0000, you wrote:

>Hi Gang:

>

>I have an opportunity to acquire a Viking 500. However, the owner reports  
>that he "has a spare 4-400A for the final." I don't know a lot about the  
>transmitter, but I'm pretty sure it used one of the Penta Labs pentodes  
>(PL-75A?) in the r.f. output stage. I'm guessing that the radio has been

>modified to use the 4-400A, but I'd like to know if by any chance EFJ  
>actually made factory original units using the 4-400A? If not, is the Penta  
>Labs tube possible to find?

>

>Also, he reports that the rig blows fuses when he uses the 866 rectifiers,  
>but that it works fine when he uses Si diode replacements. That suggests to  
>me the transmitter has a short in rectifier filament winding to ground.  
>Anybody have any experience with that transformer, or know if it is hard to  
>rewind the filament winding? It would only be a few turns, and with any  
>luck the filament winding would be on the outside of the other secondary  
>windings. The rectifier filament winding would need 3000 Volt insulation  
>from ground, so I wouldn't be surprised if it were a weak point in the  
>design. I just hate to think of using the rig without being able to see the  
>violet flicker of the rectifiers.

>

>Thanks,

>

>Jim Garland W8ZR

>

>

>Jim,

I have a 500 that I restored to working a few years ago and it had the same problem. Johnson stupidly used the L.V. power transformer core for the 866 filament winding! Mine had failed prior to me getting it and someone added an additional 2.5 volt 10 amp transformer. If you wired the 866's in series (pin 4 to pin 4, using that as the B+ source) you can use a 5 volt 5 amp xfmr.

The P.A. tube is a 4-250A "officially", but some were supplied with 4-400A's.

Either work very well. I have a 4-400B (same as 4-400C less the base ring) which I acquired new but rejected because one of the screen pins had broken off (but didn't damage the glass seal!) It is running very happily along.

I still have trouble with

high voltage fuses blowing easily if there is a flashover from humidity! I have never been able to use 8 amp fuses! I use 10 amp fast blow fuses and they work just fine.

I have , but don't use the big solid state plug-in 866 replacements. If the diodes short out, that can wreck a power transformer, which may be irreplaceable! Most of the "newbies" don't understand the mercury vapor rectifier. It must be run for 15-30 minutes if they are pulled and laid on their side, or if new ones are installed BEFORE

any plate voltage is applied! The tubes, even when "aged" in this way, should be given 2-3 minutes of standby filament time before applying the plate voltage.

You can get by this by using the 3B28 rectifier (direct replacement plug-in)

but they don't last quite as long.

You may find that you may have to replace ALL of the high voltage wiring in the supply and RF deck. (I had to in mine) I used the larger rubber covered "test lead" wire made by Belden. The stuff that's about 1/4" in diameter.

The "500" will deliver about 500 watts on CW @ 355ma cathode current and about 375-400 watts on "AM phone" @ 305 ma cathode current. I run my power supply off 230 VAC rather than 115 VAC. The "500" was one of E.F. Johnson's better designs.

The 4-250/4-400 literally loafs at 2000 volts and it is extremely hard to even think that it

will be overloaded...EVER. The overload trip circuit works well and is easy to adjust.

The overall design is excellent electrically. There ARE some mechanical drawbacks,

the "dial string" drives being one of them! They are a very big bother to restring as well! Putting the 866 filament winding on the LVPS xfmr was, no doubt, a cost cutting

ploy. I think it was a grossly stupid move designwise! The VFO "cam" arrangement

is sort of a "Rube Goldberg" contrivance, but it DOES work after fiddling with it for a while. I had considered a Viking Valiant, but to me, it is a very poor design overall.

I would NOT have opted for three 6146's in parallel, but probably used something like a single 4-65A in the final!

Good luck with your "500"! You will enjoy it!

73,

E. V. Sandy Blaize, W5TVW

"Boat Anchors collected, restored, repaired, traded and used!"

417 Ridgewood Drive,

Metairie, LA., 70001

ebjr@worldnet.att.net

\*\*Looking for: 860 tubes, WL-460 tubes\*\*

\*\*Butternut HF2V antenna, G-R test gear.....\*\*\*

----\_\_ListProc\_\_NextPart\_\_\_\_BOATANCHORS\_\_digest\_1448

From owner-boatanchors@sco.theporch.com Tue May 20 00:04:55 1997

From: "Roberta J. Barmore" <rbarmore@indy.net>

Subject: Re: W.J.Ford Surplus: a testimonial

Message-ID: <Pine.SUN.3.96.970519071828.5106A-1000000@indy2>

Hi!

On Thu, 8 May 1997, Richard Loken wrote:

[Nice tale of the goodness of W.J.Ford--and I agree, they're FB!--deleted for brevity]

> I never had much complaint about Fair Radio but they sure don't meet  
> that level of service!

Oh, but don't sell Fair too short, either! 15 years ago, I bought an H/P 330 B (AC VM + distortion analyzer) from them in "good-repairable" cndx. When it arrived, I was \*horrificed\* to discover it had been de-militarized by bashing off the tune knobs and binding posts with a hammer....and then laughed aloud for joy when I found the (proper) replacement knobs and posts neatly packed inside it. Worked just fine after putting them on.

Much more recently, as in last month, I ordered a 400E AC VTVM and 654A AF/low RF test osc for work, and was asked to leave a phone number as they were low on 654s. I'm hard to reach by telephone...a week later, a letter arrived, advising they had no 654s and would a 652 (same thing but only 50R and 600R unbal out) do? Called 'em, said "sure," and had the osc and meter (400E was NIB, btw!) in a week.

Ford and Fair are both smallish operations and geneally act like they're glad to get the business. What they sell is, 99% of the time, as good as or better than represented. We need more outfits like them!

73,  
--Bobbi

(PS: both of the instruments mentioned above are sand-based, alas--but awfully handy in my work!)

----\_\_ListProc\_\_NextPart\_\_\_\_BOATANCHORS\_\_digest\_1448

From owner-boatanchors@sco.theporch.com Tue May 20 00:04:55 1997  
From: bdhall@ghg.net (Benjamin D. Hall)  
Subject: Re: W.J.Ford Surplus: a testimonial  
Message-ID: <3.0.32.19970519075554.00693510@mailman.ghgcorp.com>

>> I never had much complaint about Fair Radio but they sure don't meet  
>> that level of service!  
> Oh, but don't sell Fair too short, either!

Fair is nice to deal with too - I recently had an R-390A transformer from Fair damaged by the men and women in brown - filed a claim with UPS, and then sent e-mail to Fair letting them know. Got an e-mail back that same day from Phil Sellati, indicating a new transformer was on its way to me. And this was before the UPS claim had come thru. Five days later, a new transformer was on my door step.

I'm very pleased - Phil Sellati and others at Fair went out of their way to make sure I got the new transformer quickly.

73,  
Ben

---

Benjamin D. Hall - Junque collector extraordinaire.  
Located in Houston Texas.  
e-mail: BDHall@ghg.net  
web page: <http://www.ghgcorp.com/bdhall>

----\_\_ListProc\_\_NextPart\_\_\_\_BOATANCHORS\_\_digest\_1448

From owner-boatanchors@sco.theporch.com Tue May 20 00:04:55 1997  
From: George Humphrey <gah@koyote.com>  
Subject: WTB: 2 Meter Crystals  
Message-ID: <1.5.4.32.19970520040722.00b4639c@mail.koyote.com>

BAers,

I would like to buy mathced pairs of

FT-243 cans at 8022 and/or 8025. Anyone

have these or know a good source??

Thanks, George

73 George KC5WBV  
gah@koyote.com

----\_\_ListProc\_\_NextPart\_\_\_\_BOATANCHORS\_\_digest\_1448

From owner-boatanchors@sco.theporch.com Tue May 20 00:04:55 1997  
From: "John Goller" <k9uwa@cris.com>  
Subject: WTB: Allied R-100  
Message-ID: <199705200210.WAA05742@cliff.concentric.net>

Close friend not on the Boatanchors List wants to buy an Allied R-100 receiver...yes it was his first rcvr. Any leads would be appreciated. Thanks de John K9UWA  
John K9UWA

k9uwa@cris.com

----\_\_ListProc\_\_NextPart\_\_\_\_BOATANCHORS\_\_digest\_1448



From owner-boatanchors@sco.theporch.com Tue May 20 00:04:55 1997  
From: Rick Myers <rmyers@rtp.ericsson.se>  
Subject: WTD: Manuals for SX-100 and SB-10  
Message-ID: <3380A029.426A@rtp.ericsson.se>

Hi All-

Had a great time at Dayton this year, and wonder if I can get copies of the manuals for two of my acquisitions:

Hallicrafters SX-100  
Heath SB-10

I realize that there are excellent re-pos available, but they are a bit pricey. Costs, of course, reimbursed.

LOOKING FOR: SX-100 meter movement and plastic meter cover (assuming my SX-100 is not DOA)

Thanks

Rick K4IF

----\_\_ListProc\_\_NextPart\_\_\_\_BOATANCHORS\_\_digest\_1448